ELSEVIER

Wear 179 (1994) 155

WEAR

Author Index of Volume 179

Alahelisten, A., 11
Andersson, P., 1, 57
Andersson, S., 101, 117
Autio, J., 95

Bergman, F., 89
Björk, T., 11
Björklund, S., 117

Chandrasekaran, H., 83

Dong, D., 17
Dowson, D., 29

Eggleston, D., 75

Gross, T., 5

Hedenqvist, P., 147
Höglund, E., 23, 39, 49
Hogmark, S., 11, 147
Hollman, P., 11
Holmberg, K., 1
Hsu, S.M., 69
Hugnell, A., 101
Husu, N., 95

Jacobson, B., 23
Jacobson, S., 89
Jonasson, M., 129

Katoh, T., 63
Kauppi, M., 95
Keife, H., 137
Kim, S.-S., 69
Kim, S.-W., 69
Kimura, Y., 17
Kitaoka, S., 63
Klimczak, T., 129
Köcker, G.M.zu, 5

Larsson, P.-O., 23
Larsson, R., 39
Lintula, P., 57
Liu, W., 17

Michalski, J., 109

Nieminen, R., 95
Nikkila, A.-P., 57

Okada, K., 17

Pawlus, P., 109

Santner, E., 5
Sato, K., 63
Schedin, E., 123
Schumacher, R., 45
Sjögren, C., 137
Suomalainen, E., 95

Thoors, H., 83
Tsuji, T., 63

Väänänen, E., 95
Vikström, J., 143

Wang, D., 29
Whitaker, R., 75
Wirth, A., 75

Yamaguchi, Y., 63

Zinke, H., 45

Elsevier Science S.A.

ELSEVIER

Wear 179 (1994) 157–158

WEAR

Subject Index of Volume 179

Abrasive wear
effects of metallurgical structure and cylinder surface topography on the wear of piston ring-cylinder assemblies under artificially increased dustiness conditions, 109
Aluminium strip
a friction model applied in the cold rolling of aluminum strips, 137
Antiwear performance
the thermal stability and antiwear performance of some thiophosphoric acid derivatives, 45

Bouncing ball
an analysis of the normal bouncing of a solid elastic ball on an oily plate, 29
EHL and the use of image analysis, 49
Braking
a fundamental tribochemical study ot the third body layer formed during automotive friction braking, 75

Cams
simulating follower wear in a cam–follower contact, 101
Ceramics
wear characteristics of water-lubricated SiC journal bearings in intermittent motion, 57
effect of sintering aids on tribological characteristics of Si_3N_4 ceramics at 120 °C in water, 63
a new parameter for assessment of ceramic wear, 69
Composites
tool wear mechanisms in intermittent cutting of metal matrix composites, 89
Contacts
oil drops leaving an EHD contact, 23
elastohydrodynamic lubrication at pure squeeze motion, 39
simulating follower wear in a cam–follower contact, 101
Contact area
analysis of real contact area and change of surface texture on deep drawn steel sheets, 129
Cutting
tool wear mechanisms in intermittent cutting of metal matrix composites, 89
Cylinder
effects of metallurgical structure and cylinder surface topography on the wear of piston ring-cylinder assemblies under artificially increased dustiness conditions, 109

Deep drawing
analysis of real contact area and change of surface texture on deep drawn steel sheets, 129
Diamond coatings
CVD-diamond coatings in sliding contact with Al, Al–17Si and steel, 11

Elastic contacts
a numerical method for real elastic contacts subjected to normal and tangential loading, 117
Elastohydrodynamic lubrication
elastohydrodynamic lubrication with water-in-oil emulsions, 17
oil drops leaving an EHD contact, 23
elastohydrodynamic lubrication at pure squeeze motion, 39
EHL and the use of image analysis, 49
Emulsion
elastohydrodynamic lubrication with water-in-oil emulsions, 17

Followers
simulating follower wear in a cam–follower contact, 101
Friction model
a friction model applied in the cold rolling of aluminum strips, 137

Galling
galling mechanisms in sheet forming operations, 123
Galling resistance
galling resistance of hardfacing alloys replacing Stellite, 143

Hard coatings
tribological characterization of thin, hard coatings, 147
Hardfacing alloys
galling resistance of hardfacing alloys replacing Stellite, 143
Hertzian analysis
an analysis of the normal bouncing of a solid elastic ball on an oily plate, 29
High pressure roller press
wear mechanism of Ni–Hard4 rollers in chromite ore crushing, 95

Image analysis
EHL and the use of image analysis, 49
Impact
an analysis of the normal bouncing of a solid elastic ball on an oily plate, 29
Interruption cycle
tribology in interrupted machining: role of interruption cycle and work material, 83

Journal bearings
wear characteristics of water-lubricated SiC journal bearings in intermittent motion, 57

Lubricant additives
the thermal stability and antiwear performance of some thiophosphoric acid derivatives, 45
Lubricants
oil drops leaving an EHD contact, 23

Machining
tribology in interrupted machining: role of interruption cycle and work material, 83

Elsevier Science S.A.

Metallurgical structure
effects of metallurgical structure and cylinder surface topography on the wear of piston ring-cylinder assemblies under artificially increased dustiness conditions, 109
Metals
CVD-diamond coatings in sliding contact with Al, Al–17Si and steel, 11
Micro-slip
a numerical method for real elastic contacts subjected to normal and tangential loading, 117

Ni–Hard4
wear mechanism of Ni–Hard4 rollers in chromite ore crushing, 95

Ore crushing
wear mechanism of Ni–Hard4 rollers in chromite ore crushing, 95

Rollers
wear mechanism of Ni–Hard4 rollers in chromite ore crushing, 95
Rolling
a friction model applied in the cold rolling of aluminum strips, 137
Roughness
a numerical method for real elastic contacts subjected to normal and tangential loading, 117

Sheet
galling mechanisms in sheet forming operations, 123
Silicon nitride
effect of sintering aids on tribological characteristics of Si_3N_4 ceramics at 120 °C in water, 63
a new parameter for assessment of ceramic wear, 69
Simulated wear
simulating follower wear in a cam–follower contact, 101
Sintering aids
effect of sintering aids on tribological characteristics of Si_3N_4 ceramics at 120 °C in water, 63
Squeeze motion
elastohydrodynamic lubrication at pure squeeze motion, 39
Steel
analysis of real contact area and change of surface texture on deep drawn steel sheets, 129
Surface roughness
galling mechanisms in sheet forming operations, 123
Surface texture
analysis of real contact area and change of surface texture on deep drawn steel sheets, 129
Surface topography
effects of metallurgical structure and cylinder surface topography on the wear of piston ring-cylinder assemblies under artificially increased dustiness conditions, 109

Testing parameters
influence of the testing parameters on the tribological behaviour of self-mated PVD-coatings, 5
Thermal stability
the thermal stability and antiwear performance of some thiophosphoric acid derivatives, 45
Third body layer
a fundamental tribochemical study of the third body layer formed during automotive friction braking, 75
Tool wear
tool wear mechanisms in intermittent cutting of metal matrix composites, 89
Transfer film
a fundamental tribochemical study of the third body layer formed during automotive friction braking, 75
Tribochemistry
a fundamental tribochemical study of the third body layer formed during automotive friction braking, 75
Tribological characterization
tribological characterization of thin, hard coatings, 147
Tribology
tribology in the Nordic Countries, 1
tribology in interrupted machining: role of interruption cycle and work material, 83
galling mechanisms in sheet forming operations, 123

Water lubrication
wear characteristics of water-lubricated SiC journal bearings in intermittent motion, 57
Wear
CVD-diamond coatings in sliding contact with Al, Al–17Si and steel, 11
wear mechanism of Ni–Hard4 rollers in chromite ore crushing, 95
Work material
tribology in interrupted machining: role of interruption cycle and work material, 83

Zirconia
a new parameter for assessment of ceramic wear, 69